

**Table 1. 2003 Summary Statistics**

Item	Value	U.S. Rank
<b>South Carolina</b>		
NERC Region(s).....		SERC
Primary Energy Source .....		Nuclear
Net Summer Capability (megawatts).....	20,658	18
Electric Utilities .....	19,402	11
Independent Power Producers & Combined Heat and Power .....	1,257	38
Net Generation (megawatthours) .....	93,772,677	17
Electric Utilities .....	91,544,429	8
Independent Power Producers & Combined Heat and Power .....	2,228,249	41
Emissions (thousand metric tons)		
Sulfur Dioxide .....	207	19
Nitrogen Oxide .....	78	25
Carbon Dioxide .....	36,658	27
Sulfur Dioxide (lbs/MWh).....	4.9	21
Nitrogen Oxide (lbs/MWh).....	1.8	37
Carbon Dioxide (lbs/MWh).....	862	43
Total Retail Sales (megawatthours) .....	77,054,098	18
Full Service Provider Sales (megawatthours).....	77,054,098	17
Direct Use (megawatthours).....	2,041,837	22
Average Retail Price (cents/kWh).....	6.08	37

See footnotes at end of tables.

**Table 2. Ten Largest Plants by Generating Capability, 2003**

Plant	Energy Sources	Operating Company	Net Summer Capability (MW)
<b>South Carolina</b>			
1. Oconee .....	Nuclear	Duke Energy Corp	2,538
2. Catawba .....	Nuclear	Duke Energy Corp	2,258
3. Cross .....	Petroleum, Coal	South Carolina Pub Serv Auth	1,160
4. Winyah.....	Petroleum, Coal	South Carolina Pub Serv Auth	1,155
5. Bad Creek.....	Hydro	Duke Energy Corp	1,065
6. V C Summer .....	Nuclear	South Carolina Electric&Gas Co	966
7. H B Robinson.....	Petroleum, Coal, Nuclear	Carolina Power & Light Co	899
8. Darlington County.....	Gas, Petroleum	Carolina Power & Light Co	812
9. Broad River Energy Center .....	Petroleum, Gas	Broad River Energy LLC	797
10. John S Rainey.....	Petroleum, Gas	South Carolina Pub Serv Auth	744

See footnotes at end of tables.

**Table 3. Top Five Providers of Retail Electricity, 2003**  
(Megawatthours)

Entity	Ownership Type	All Sectors	Residential	Commercial	Industrial	Transportation
<b>South Carolina</b>						
1. Duke Energy Corp.....	Investor-Owned	20,738,323	5,693,569	5,172,087	9,872,667	0
2. South Carolina Electric&Gas Co .....	Investor-Owned	20,668,054	6,998,139	7,122,007	6,547,908	0
3. South Carolina Pub Serv Auth.....	Public	11,242,792	1,464,246	1,799,970	7,978,576	0
4. Carolina Power & Light Co.....	Investor-Owned	7,069,657	2,061,811	1,784,958	3,222,888	0
5. Berkeley Electric Coop Inc.....	Cooperative	1,412,332	1,068,796	166,685	176,851	0
Total Sales, Top Five Providers.....		61,131,158	17,286,561	16,045,707	27,798,890	0
Percent of Total State Sales .....		79	65	83	89	0

See footnotes at end of tables.

**Table 4. Electric Power Industry Net Summer Capability by Primary Energy Source, 1994, 1998, and 2003**  
(Megawatts)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
South Carolina							
Electric Utilities.....	16,691	17,627	19,402	1.7	97.4	97.3	93.9
Coal.....	5,352	6,007	5,925	1.1	31.2	33.2	28.7
Petroleum.....	287	671	684	10.1	1.7	3.7	3.3
Natural Gas.....	18	18	760	51.6	.1	.1	3.7
Other Gases.....	364	0	0	NM	2.1	.0	.0
Dual Fired.....	858	1,050	1,963	9.6	5.0	5.8	9.5
Nuclear.....	6,364	6,431	6,472	.2	37.1	35.5	31.3
Hydroelectric.....	1,261	1,263	1,360	.8	7.4	7.0	6.6
Other Renewables.....	0	0	3	NM	.0	.0	*
Pumped Storage.....	2,187	2,187	2,235	.2	12.8	12.1	10.8
Independent Power Producers and Combined							
Heat and Power.....	452	490	1,257	12.0	2.6	2.7	6.1
Coal.....	189	131	103	-6.5	1.1	.7	.5
Petroleum.....	1	3	3	13.0	*	*	*
Natural Gas.....	1	102	95	65.9	*	.6	.5
Dual Fired.....	3	3	800	86.0	*	*	3.9
Hydroelectric.....	18	18	24	3.2	.1	.1	.1
Other Renewables.....	240	233	232	-4	1.4	1.3	1.1
Total Electric Industry.....	17,144	18,117	20,658	2.1	100.0	100.0	100.0
Coal.....	5,541	6,138	6,028	.9	32.3	33.9	29.2
Petroleum.....	288	674	686	10.1	1.7	3.7	3.3
Natural Gas.....	19	121	855	52.6	.1	.7	4.1
Other Gases.....	364	0	0	NM	2.1	.0	.0
Dual Fired.....	862	1,053	2,763	13.8	5.0	5.8	13.4
Nuclear.....	6,364	6,431	6,472	.2	37.1	35.5	31.3
Hydroelectric.....	1,279	1,281	1,384	.9	7.5	7.1	6.7
Other Renewables.....	240	232	235	-2	1.4	1.3	1.1
Pumped Storage.....	2,187	2,187	2,235	.2	12.8	12.1	10.8

See footnotes at end of tables.

**Table 5. Electric Power Industry Generation by Primary Energy Source, 1994, 1998, and 2003**  
(Megawatthours)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
South Carolina							
Electric Utilities.....	74,193,685	84,396,897	91,544,429	2.4	96.4	96.7	97.6
Coal.....	26,993,543	32,377,814	37,065,509	3.6	35.1	37.1	39.5
Petroleum.....	108,250	331,357	289,474	11.5	.1	.4	.3
Natural Gas.....	278,698	414,900	1,365,534	19.3	.4	.5	1.5
Nuclear.....	44,466,176	48,759,447	50,417,690	1.4	57.8	55.9	53.8
Hydroelectric.....	2,967,874	3,503,249	3,590,944	2.1	3.9	4.0	3.8
Other Renewables.....	0	0	22,091	NM	.0	.0	*
Pumped Storage.....	-620,856	-989,870	-1,206,813	NM	-8	-1.1	-1.3
Independent Power Producers and Combined							
Heat and Power.....	2,748,837	2,849,664	2,228,249	-2.3	3.6	3.3	2.4
Coal.....	747,572	591,885	366,514	-7.6	1.0	.7	.4
Petroleum.....	132,494	120,306	167,397	2.6	.2	.1	.2
Natural Gas.....	85,002	462,565	297,248	14.9	.1	.5	.3
Other Gases.....	17,368	92	73	-45.6	*	.0	.0
Hydroelectric.....	67,078	66,168	74,482	1.2	.1	.1	.1
Other Renewables.....	1,694,529	1,604,202	1,322,535	-2.7	2.2	1.8	1.4
Other.....	4,794	4,446	0	NM	*	*	.0
Total Electric Industry.....	76,942,522	87,246,561	93,772,677	2.2	100.0	100.0	100.0
Coal.....	27,741,115	32,969,699	37,432,023	3.4	36.1	37.8	39.9
Petroleum.....	240,744	451,663	456,871	7.4	.3	.5	.5
Natural Gas.....	363,700	877,465	1,662,782	18.4	.5	1.0	1.8
Other Gases.....	17,368	92	73	-45.6	*	.0	.0
Nuclear.....	44,466,176	48,759,447	50,417,690	1.4	57.8	55.9	53.8
Hydroelectric.....	3,034,952	3,569,417	3,665,426	2.1	3.9	4.1	3.9
Other Renewables.....	1,694,529	1,604,202	1,344,626	-2.5	2.2	1.8	1.4
Pumped Storage.....	-620,856	-989,870	-1,206,813	NM	-8	-1.1	-1.3
Other.....	4,794	4,446	0	NM	*	*	.0

See footnotes at end of tables.

**Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1994, 1998, and 2003**

Fuel, Quality	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
<b>South Carolina</b>				
Coal (cents per million Btu).....	156.0	144.7	W	W
Average heat value (Btu per pound).....	12,771	12,805	12,669	-0.1
Average sulfur Content (percent).....	1.2	1.2	1.1	-1.1
Petroleum (cents per million Btu).....	409.7	327.6	W	W
Average heat value (Btu per gallon).....	138,152	138,122	144,989	.5
Average sulfur Content (percent).....	.2	.2	1.7	25.1
Natural Gas (cents per million Btu).....	167.1	353.4	W	W
Average heat value (Btu per cubic foot).....	1,023	1,024	1,031	.1

See footnotes at end of tables.

**Table 7. Electric Power Industry Emissions Estimates, 1994, 1998, and 2003**  
(Thousand Metric Tons)

Emission Type	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
<b>South Carolina</b>				
Sulfur Dioxide				
Coal .....	187	189	197	0.6
Petroleum .....	*	2	3	25.6
Natural Gas .....	—	*	—	NM
Other .....	11	6	8	-3.7
Total .....	198	197	207	.5
Nitrogen Oxide				
Coal .....	103	95	74	-3.6
Petroleum .....	1	1	*	-4.3
Gas .....	1	1	1	.4
Other .....	3	3	2	-2.8
Total .....	107	99	78	-3.5
Carbon Dioxide				
Coal .....	26,807	31,423	35,074	3.0
Petroleum .....	550	801	652	1.9
Gas .....	226	654	754	14.3
Geothermal .....	—	—	—	NM
Other .....	26	28	179	23.8
Total .....	27,609	32,906	36,658	3.2

See footnotes at end of tables.

**Table 8. Retail Sales, Revenue, and Average Retail Price by Sector, 1994, 1998, and 2003**

Sector	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
South Carolina							
Retail Sales (thousand megawatthours)							
Residential.....	19,903	23,558	26,422	3.2	32.2	32.5	34.3
Commercial.....	13,393	16,370	19,336	4.2	21.6	22.6	25.1
Industrial.....	27,760	31,606	31,296	1.3	44.9	43.6	40.6
Other.....	802	920	NA	NM	1.3	1.3	NA
Total.....	61,858	72,454	77,054	2.5	100.0	100.0	100.0
Retail Revenue (million dollars)							
Residential.....	1,492	1,767	2,117	4.0	42.5	44.1	45.2
Commercial.....	853	1,021	1,316	4.9	24.3	25.5	28.1
Industrial.....	1,118	1,165	1,251	1.3	31.9	29.1	26.7
Other.....	47	55	NA	NM	1.3	1.4	NA
Total.....	3,509	4,008	4,684	3.3	100.0	100.0	100.0
Average Retail Price (cents/kWh)							
Residential.....	7.49	7.50	8.01	.8	NA	NA	NA
Commercial.....	6.37	6.24	6.81	.7	NA	NA	NA
Industrial.....	4.03	3.69	4.00	-.1	NA	NA	NA
Other.....	5.84	5.99	NA	NM	NA	NA	NA
Total.....	5.67	5.53	6.08	.8	NA	NA	NA

See footnotes at end of tables.

**Table 9. Retail Electricity Sales Statistics, 2003**

Item	Full Service Providers					Other Providers		Total
	Investor- Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
South Carolina								
Number of Entities.....	4	22	NA	21	NA	NA	NA	47
Number of Retail Customers.....	1,235,618	296,305	NA	645,551	NA	NA	NA	2,177,474
Retail Sales (thousand megawatthours) .....	48,675	15,043	NA	13,335	NA	NA	NA	77,054
Percentage of Retail Sales .....	63.17	19.52	NA	17.31	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars) .....	2,921	769	NA	994	NA	NA	NA	4,684
Percentage of Revenue.....	62.35	16.42	NA	21.23	NA	NA	NA	100.00
Average Retail Price (cents/kWh).....	6.00	5.11	NA	7.46	NA	NA	NA	6.08

Table 9 Notes: Data are shown for All Sectors. **Full Service Providers** sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as Independent Power Producers or other full service providers) prior to delivery. **Other Providers** sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. "Federal" entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its service. The cooperative will generate, transmit, and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Facility" sales represent direct electricity transactions from independent generators to end use consumers.

Other Notes: NA = Not applicable; NM = Not meaningful;

W = Withheld to avoid disclosure of individual company data;

\* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is '1' and values under 0.5 are shown as '\*').

Totals may not equal sum of components because of independent rounding;

Table 4 "Other Renewables" includes generation from municipal solid waste; Table 7 "Other" includes emissions from municipal solid waste.

Direct Use is commercial or industrial use of electricity that 1) is self-generated, 2) is produced by either the same entity that consumes the power or an affiliate, and 3) is used in direct support of a service or industrial process located within the same facility or group of facilities that houses the generating equipment. Direct use is exclusive of station use.